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Pallet 25 Pallet Digest

COMMERCIAL PALLETS

For the Concrete Products Industry

Div.
~~15~~ ~~33~~
15

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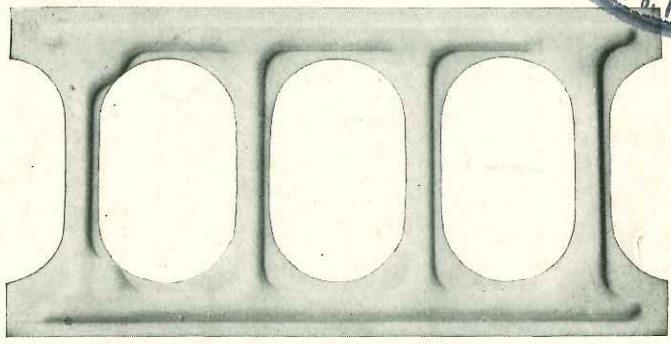
APR 5 - 1928
U. S. PATENT OFFICE



Makers of All Kinds of Heavy Stampings

The

COMMERCIAL SHEARING & STAMPING COMPANY

YOUNGSTOWN, OHIO.

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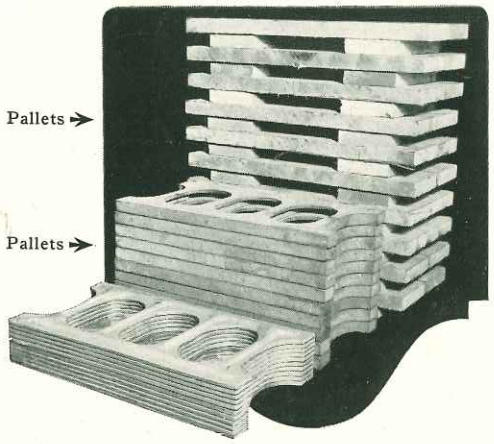
BEGIN RIGHT

by



An Actual Photograph of Three Piles of 10 Pallets each.

Commercial Pressed Steel Pallets are only ¼ as thick as cast iron and ⅛ as thick as wooden pallets.

STARTING RIGHT

Insist on Commercial Presteel Pallets with your new machine.

TP885.C7C6 Div. 15

Foreword

SINCE 1890 the development of the Concrete Industry has been rapid and many diversified uses for this material in the building field have been established. One of the important phases of this industry is the making of concrete units in a large variety of sizes and shapes.

With the advent of the concrete unit, came a number of different machines for their manufacture all of which, with very few exceptions, use a pallet on which the unit is formed in the machine and on which it rests during the curing process. The pallet is one of the most important adjuncts of concrete block making regardless of the make of machine used or the type of block manufactured. It must combine the features of strength, lightness, accuracy, rigidity, and economy.

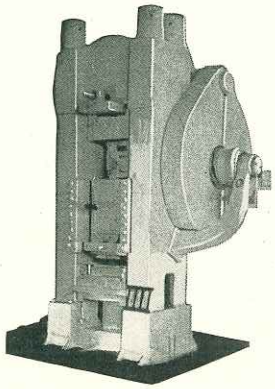
APR 5 - 1928

Wooden pallets were found to be unsatisfactory because they warped, cracked or split, after having been in use for a short time. They required a large storage space and constituted a serious fire hazard.

The cast iron pallet was next introduced. It eliminated the objections of warping, splitting and danger of fire, but was bulky, heavy and inaccurate. There was also a tendency to crack under rough usage due to the shrinkage strains inherent in cast iron. The storage space necessary for cast iron pallets was almost as much as that required for wooden and their excessive weight made handling expensive.

The Pressed Steel Pallet

THE Commercial Shearing and Stamping Company have evolved the pressed steel pallet at a very considerable expenditure of time and money in research in the concrete products industry. This pallet has been standardized to fit all makes of machines and all styles of blocks. It is strong, rigid, light, accurate, and economical. It is the adopted standard of all leading concrete block machinery makers. The Commercial pallet is die cut to hairline accuracy.

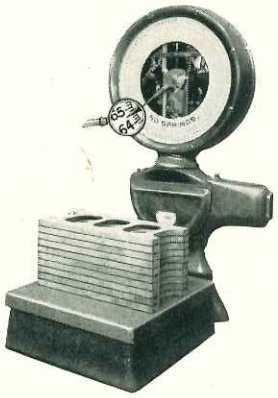


It is made from the best grade of heavy rolled steel. Deep ribs—both longitudinal and transverse—are squeezed into the cold metal. A battery of large presses with an impact force of 1200 tons each performs this operation, giving the pallet the maximum of strength and rigidity.

Accuracy and Interchangeability

FOR every style of pallet made by the Commercial Shearing and Stamping Company a master pallet is furnished to the machinery manufacturer. This master pallet provides about 1/32″ clearance between the sides of the mold box and the master pallet itself. The holes are made large enough to allow the same clearance between the master pallet and all sides of the cores. A test jig which is the exact reverse of the master pallet, is retained by the Commercial Shearing and Stamping Company and on this jig each pallet is tested individually as it comes from the press. The plugs on the jig are made exactly the same size as the holes in the master pallet. Any pallet which will comfortably slip over the jig must necessarily have sufficient clearance for the cores in the mold box. This precaution takes care of any slight variation in the manufacture of pallets or machines and guarantees an exact fit of all Commercial Pressed Steel Pallets.

Space and Labor Saving



THE pressed steel pallet is only from one-eighth to one-sixth as thick as the wooden pallet and one-fourth the thickness of the cast iron type. This is a noteworthy consideration for it assures not only a saving of valuable storeroom space, but provides greater drying room capacity. Commercial Steel Pallets weigh much less than cast iron. This effects a great saving in labor, since each pallet is handled at least four times during the process of making a concrete block.

Special Pallets

FLEXIBILITY of manufacture permits special pallets to be made economically for unusual conditions. Under the heading of Special Pallets is shown a number of styles which have been made for specific purposes. Many of the features of these pallets may be combined with any special or standardized pallet to meet individual requirements.

Other Lines

OTHER types of pressed steel equipment for the Concrete Industry include Welded Steel Racks, Mixing Boxes, Hod Supports, Mortar Boards, Collapsible Steel Horses, Salamanders, Tool Boxes, Material Chutes, Hoppers, Batchers, Measuring Bins, Sewer Pipe and Manhole Forms, Fabricated Plate Work of every description.

Other lines of Cold Pressed Steel Products include Terra Cotta Drying Boards, Sewer Tile Shods, Conduit and Hollow Tile Shods, Grinding Wheel Bat Holders, Racks for Lift Trucks, Cars, or Crane; Tank Specialties, such as Cold Pressed Tank Heads, flanged and dished, Manholes, Flange Covers, Label Frames, Support Lugs, etc.

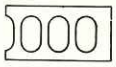
Forming Presses, Welders and other fabricating facilities are adapted to the manufacture of special equipment or products requiring heavy stampings.

STANDARDIZED
STRIPPER BLOCK PALLETS

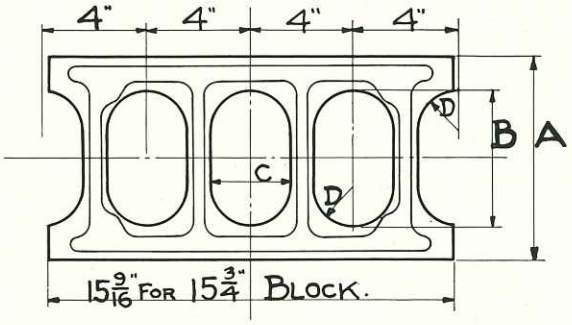
PATENT APPLIED FOR

THE Commercial Standardized Oval Core Stripper Pallet may be used on any stripper machine. It is die cut to accurate dimensions, made from heavy plate steel with pressed-in rib which makes the mortar groove in the block.

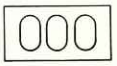
This series of pallets is furnished in the variety of sizes listed below for regular and single or double corner blocks. Carried in stock.



Single Corner

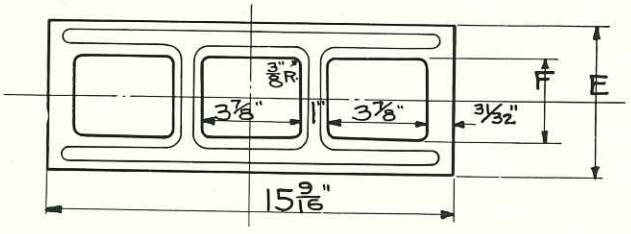


Oval Core Stripper Block Pallet



Double Corner

DIMENSIONS						CODE WORDS					
Size of Block	% Air Space	A	B	C	D	Regular	Weight Lbs.	Single Corner	Weight Lbs.	Double Corner	Weight Lbs.
	33	7 13/16	4 1/2	2 15/16	1 15/32	Arten	4.5	Acme	4.8	Afraid	5.1
8"	40	7 13/16	5 1/4	3 1/8	1 9/16	Baller	3.8	Best	4.2	Baffle	4.6
	45	7 13/16	5 11/16	3 1/4	1 5/8	Dapper	3.5	During	3.9	Dent	4.3
	33	9 13/16	5 15/16	2 15/16	1 15/32	Comet	5.8	Coat	6.2	Cannon	6.6
10"	40	9 13/16	6 15/16	2 15/16	1 15/32	Dorsal	5.1	Dark	5.5	Default	6.0
	45	9 13/16	6 15/16	3 1/8	1 9/16	Emerald	4.8	Enter	5.4	Echo	6.1
	33	11 13/16	6 15/16	2 15/16	1 15/32	Fancy	7.1	Forum	7.5	Felt	8.0
12"	40	11 13/16	8	2 15/16	1 15/32	Gelding	6.3	Garment	6.8	Grasp	7.4
	45	11 13/16	8 3/4	2 15/16	1 15/32	Hambel	5.7	Hawk	6.3	Hunter	7.0



Three-Core Stripper Block Pallet

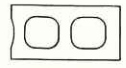
THESE three core pallets are designed especially for partition or back-up blocks produced on stripper machines. This style together with the pallets shown above comprise a complete line of three core pallets for stripper machines. Made in three sizes—will fit any stripper machine—carried in stock for immediate shipment.

Size of Block	E	F	Code Word	Weight Lbs.
3"x16"	2 7/8	1 1/8	Question	1.8
4"x16"	3 7/8	2 1/8	Zenia	2.1
6"x16"	5 7/8	3 1/8	Touch	3.1

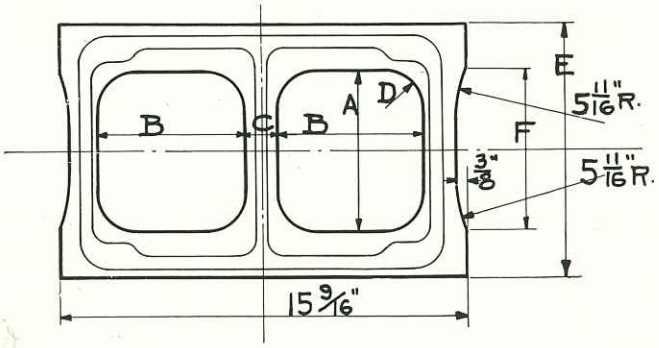
ORDER BY CODE WORD

STANDARDIZED
2 CORE STRIPPER BLOCK PALLETS
(IDEAL STYLE)
PATENT APPLIED FOR

THE Ideal style of Two Core Stripper Pallet can be used in any stripper machine. Round corner cores have met with considerable success in the industry as they produce a block with extra strength at the junction of web and wall, eliminating a tendency to crack during curing. This pallet is also furnished for regular and single or double corner blocks in the different sizes listed below.



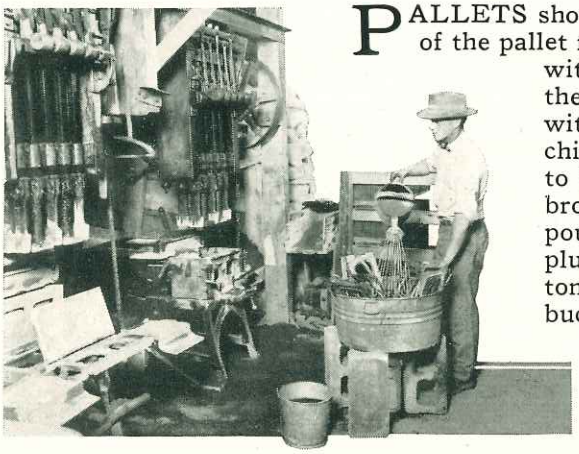
Single Corner



Double Corner

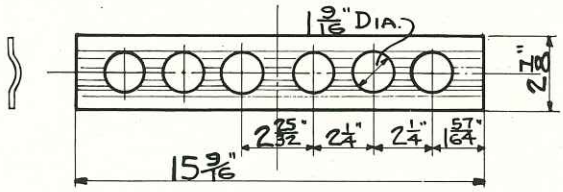
DIMENSIONS								CODE WORDS					
Size of Block	% Air Space	A	B	C	D	E	F	Regular	Wgt. Lbs.	Single Corner	Wgt. Lbs.	Double Corner	Wgt. Lbs.
8"	33	4 7/16	5 7/16	1 5/16	1	7 13/16	4	Latent	4.2	Lumber	4.2	Lazy	4.3
8"	40	5 1/4	5 5/8	1 1/4	1 1/2	7 13/16	4	Mercy	3.7	Moist	3.7	Motor	3.8
10"	40	6 1/4	5 5/8	1 1/4	1 1/2	9 13/16	6	Nancy	5.1	Nest	5.2	Notable	5.3
12"	33	7 7/16	4 1/2	1 7/8	1	11 13/16	8	Ornate	7.0	Operate	7.2	Oxen	7.4
12"	40	8 1/8	5 5/16	1 5/16	1 1/2	11 13/16	8	Patern	6.0	Posture	6.1	Power	6.3

Method of Oiling Pallets

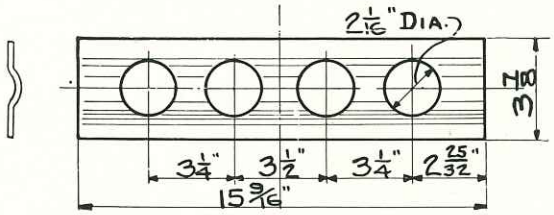


PALLETS should be oiled while in use. Oiling facilitates the removal of the pallet from the cured block and prevents it from being built up with cement. An easy and inexpensive method of oiling the pallets is to provide an ordinary galvanized washtub with a drain opening in the bottom set close to each machine, on supports high enough to permit a galvanized pail to be placed underneath. As a fresh supply of pallets are brought from the curing room, place them in the tub and pour oil over them from a sprinkling can, allowing the surplus to drip into the tub. The drain opening in the bottom of the tub allows the surplus oil to flow into the bucket where it is ready for use again. This method places the fresh oiled pallets within easy reach of the operator, who merely takes the pallet direct from the tub and places it in the machine. Crank case drainings make an ideal oil for this purpose.

STANDARDIZED
STRIPPER BLOCK PALLETS
(MULTIPLEX STYLE)
PATENT APPLIED FOR



3x16 Six-Core Pallet
Code Word, **Runner.** Weight, 2.0 Lbs.

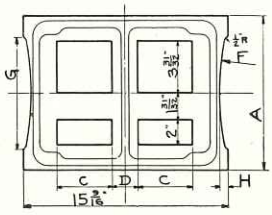


4x16 Four-Core Pallet
Code Word, **Senate.** Weight, 2.7 Lbs.

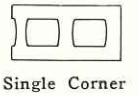
4x16 Solid Block Pallet
Code Word, **Silken.** Weight, 3.6 Lbs.

THE Commercial Pressed Steel Pallet is a great saver in labor and storage space. It is unbreakable, will not warp, crack or split, is fireproof and economical in every sense of the word.

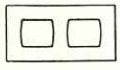
For back-up or partition blocks, made in conjunction with the regular line of two core blocks, the above pallets in two sizes are furnished for any stripper machine.



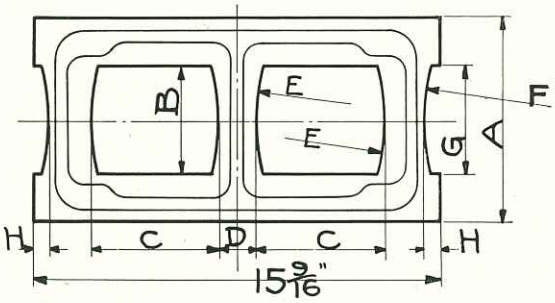
12-inch Pallet—Code Word, **Yarb**

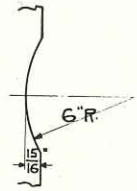


Single Corner



Double Corner





End of 12 inch. Code Words **Xerxes Exert**

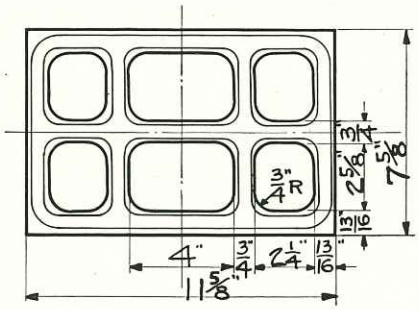
The Multiplex Style of Two Core Stripper Pallet can be used in any stripper machine. A full line of sizes for regular and single or double corner blocks and for partition or back-up blocks is listed below.

Size of Blk.	% Air Sp.	DIMENSIONS A	B	C	D	E	F	G	H	CODE WORDS Regular	Wgt. Lbs.	Single Corner	Wgt. Lbs.	Double Corner	Wgt. Lbs.
6"	....	5 7/8	2 5/8	4 7/8	1 3/4	4 5/8	4 5/8	2 5/8	19/32	Trifle	3.6	Tapping	3.7	Teller	3.8
6"	....	5 7/8	3	5 1/16	1 1/2	4 5/8	4 5/8	3	19/32	Festive	3.4	Favor	3.5	Found	3.6
8"	33	7 13/16	4 1/8	5	1 3/8	8 3/4	8 3/4	4 1/8	19/32	Unite	4.5	Usher	4.6	Useful	4.7
8"	37	7 13/16	5	5 1/4	1	5	8 3/4	4 1/8	19/32	Nail	4.0	Nubbin	4.1	Nickel	4.2
8"	40	7 13/16	5 1/2	5 1/4	1	6 1/2	8 3/4	4 1/8	19/32	Vanity	3.8	Vertical	3.9	Vapor	4.0
10"	....	9 13/16	5 1/8	4 1/8	1 11/16	7	5 11/16	5 1/8	7/8	Weasel	6.8	Waste	6.9	Weld	7.1
12"	....	11 13/16	6 1/8	4 3/8	1 3/8	6	.....	.....	....	Xerxes	8.0	Exert	8.2	Excel	8.5
12"	....	11 13/16	See Sketch	4 3/16	1 15/16	.....	22	8 5/8	21/32	Yarb	8.0	Yearn	8.1	Yokel	8.3
12"	....	11 13/16	See Sketch	3 7/32	3 7/8	.....	Half Block	.....	....	.....	.....	.....	.....	Packet	9.0

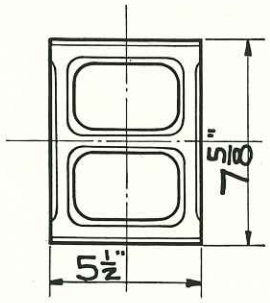
STANDARDIZED
STRIPPER TILE PALLETS

PATENT APPLIED FOR

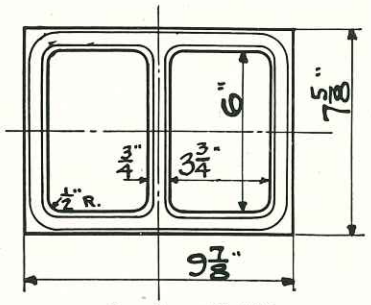
For 8″x12″ and 4″x12″ Tile



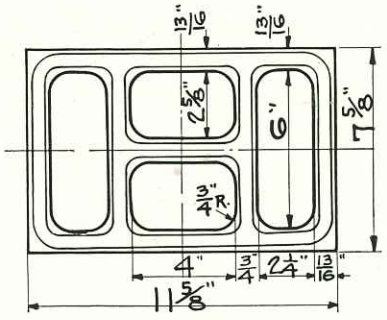
Six-Core Standard
Code Word, **Gate**
Weight, 2.7 Lbs.



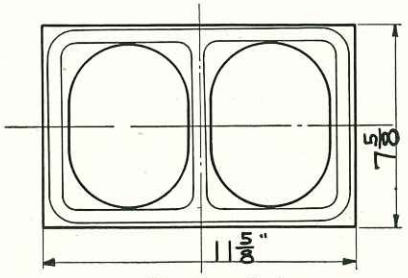
Half Tile
Code Word, **Bush**
Weight, 1.2 Lbs.



Two-Core—8″x10″
Code Word, **Rajah**
Weight, 1.76 Lbs.

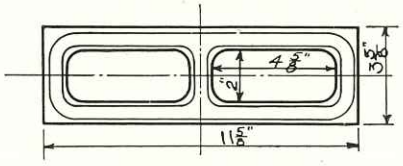


Four-Core Standard
Code Word, **Buckle**
Weight, 2.5 Lbs.

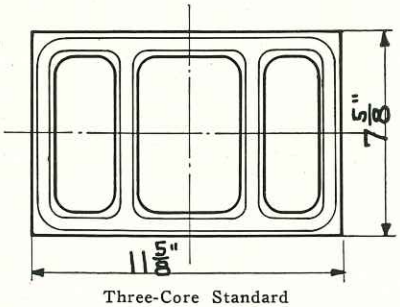


Two-Core Oval
Code Word, **Kernel**
Weight, 2.5 Lbs.

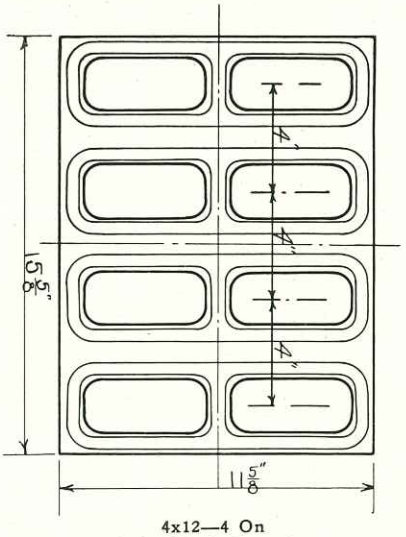
STRIPPER pallets for various standardized styles of tile are furnished in the sizes noted. The same careful, accurate manufacture and the same features of strength, rigidity, lightness and economy are noticeable in these Commercial Tile Pallets.



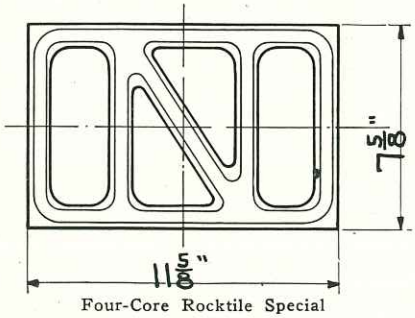
Two-Core Standard
Code Word, **Jazz**
Weight, 1.5 Lbs.



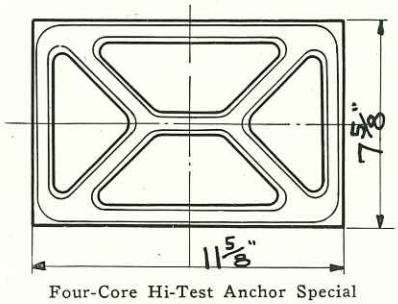
Three-Core Standard
Code Word, **Rally**
Weight, 2.3 Lbs.



4x12—4 On
Code Word, **Jasmine**
Weight, 6.3 Lbs.



Four-Core Rocktile Special
Code Word, **Harp**
Weight, 2.6 Lbs.

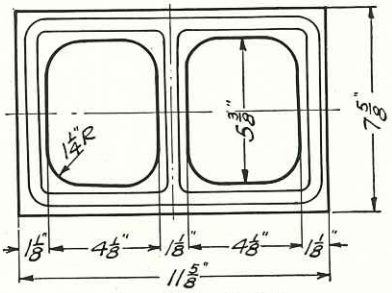


Four-Core Hi-Test Anchor Special
Code Word, **Locker**
Weight, 2.4 Lbs.

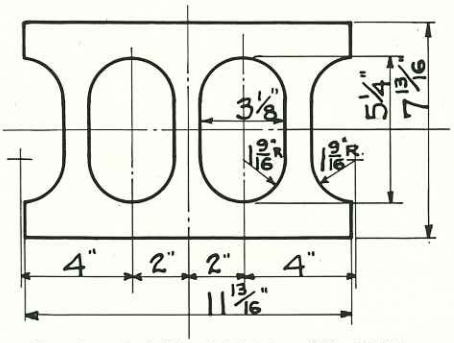
STANDARDIZED
STRIPPER TILE PALLETS

PATENT APPLIED FOR

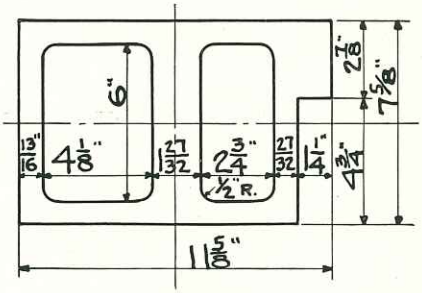
For 8″x12″ and 4″x12″ Tile



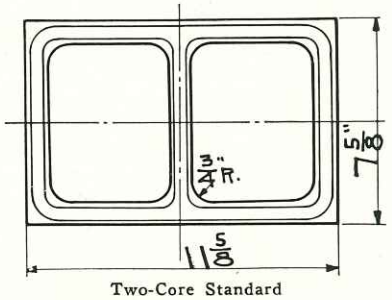
Two Core—8″x12″
Code Word, **Repress**
Weight, 2.5 Lbs.



Regular Code Word, **Mutter** Wt. 2.9 Lbs.



Two-Core Special
Code Word, **Raglan**
Weight, 2.78 Lbs.



Two-Core Standard
Code Word, **Jump**
Weight, 2.0 Lbs.

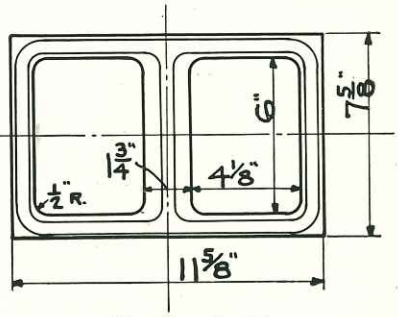
Due to the rapidly increasing use of 5x8x12 tile, the pallets shown on this page have been added to the Commercial line to meet this demand.

The pallet RAKISH is used for making half-tile. The customary transverse rib on the center web of the pallet is omitted so that a division plate may be used.

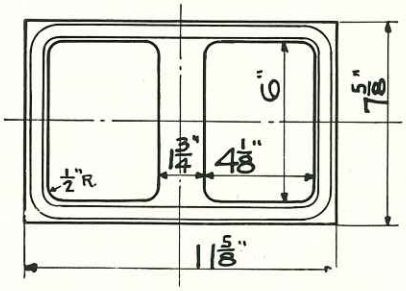
JOSS is a pallet on which to make two tile 8x12.

RAGLAN is made flat for reversing to make right and left hand jamb tile.

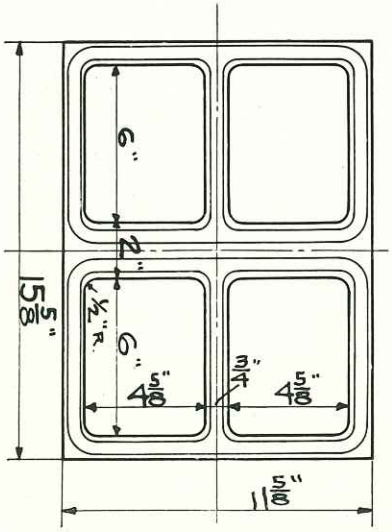
REPROVE and JUGGLE —load bearing tile pallets for use where the building code requires that the tile shall have not less than 2″ walls.



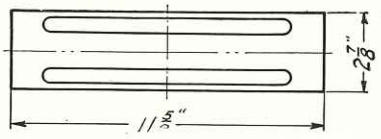
Two-Core Special
Code Word, **Keel**
Weight, 2.3 Lbs.



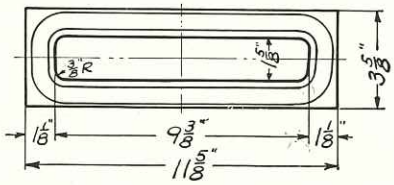
Two-Core Special
Code Word, **Rakish**
Weight, 2.3 Lbs.



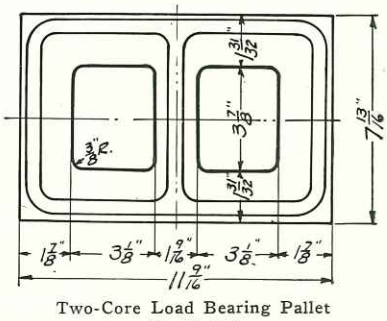
Two Core—8″x12″—2 On
Code Word, **Joss**
Weight, 4.1 Lbs.



Two Core—3″x12″
Code Word, **Gale**
Weight, 1.7 Lbs.



Single Core, 4″x12″
Code Word, **Reprove**
Weight, 1.4 Lbs.

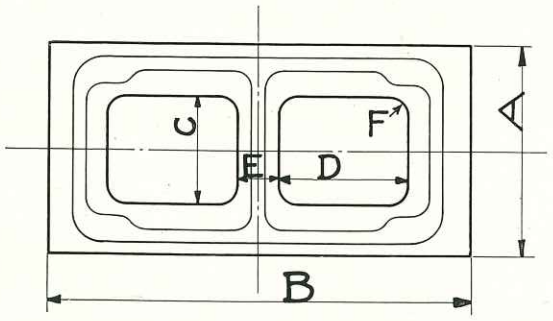


Two-Core Load Bearing Pallet
8″x8″x12″
Code Word, **Juggle**
Weight, 3.5 Lbs.

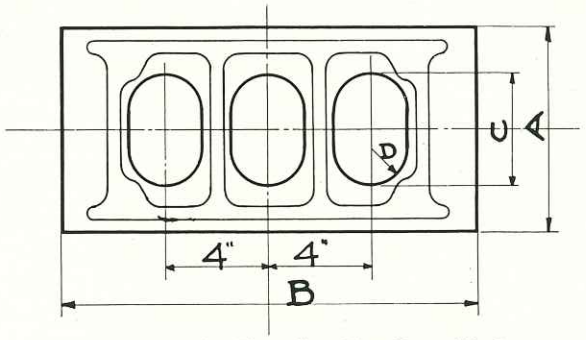
STANDARDIZED
FACE DOWN BLOCK PALLET

PATENT APPLIED FOR

COMMERCIAL Pierced Face Down Block Pallets for either two or three core blocks are furnished for face down machines in which the small end of the core projects through the pallet. These pallets may be supplied in other lengths and widths than shown in the table, on special order.

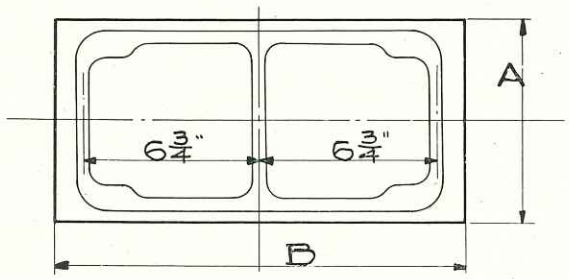


Pierced Pallets for Two-Core Face Down Blocks

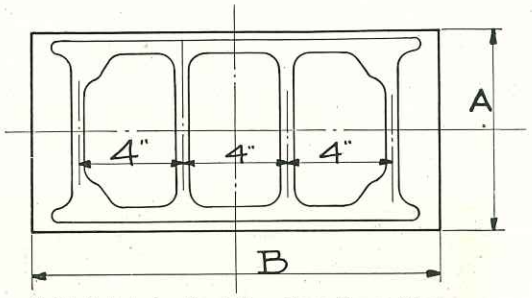


Pierced Pallets for Three-Core Face Down Blocks

	Size of Block	DIMENSIONS A	B	C	D	E	F	Code Word	Wgt. in Lbs.	USED ON
Two Core	8x16	8	16	$4\frac{1}{8}$	$4\frac{15}{16}$	$1\frac{1}{2}$	$\frac{11}{16}$	Uncle	5.0	Ideal—National—London
	8x16	8	16	$4\frac{1}{4}$	$5\frac{1}{8}$	$1\frac{7}{8}$	$\frac{13}{16}$	Leap	4.9	London
	8x16	$7\frac{3}{4}$	$15\frac{11}{16}$	4	$4\frac{1}{4}$	$1\frac{7}{8}$	$\frac{1}{4}$	Monarch	5.0	Monarch
	10x16	10	16	$5\frac{1}{8}$	$4\frac{1}{8}$	$2\frac{7}{8}$	$\frac{3}{4}$	Liken	7.3	Ideal—National—London
	12x16	12	16	$5\frac{3}{4}$	4	3	$\frac{3}{4}$	Lofty	9.0	Ideal—National—London
Three Core	8x16	8	$16\frac{1}{4}$	$4\frac{1}{2}$	$1\frac{15}{32}$			Obelisk	5.5	National



Solid Pallets for Two-Core Face Down Blocks



Solid Pallets for Oval Core Face Down Blocks

Commercial Presteel Pallets Produce the Block with the Mortar Groove

COMMERCIAL Solid Face Down Block Pallets are furnished for either two or three core blocks to fit any type of face down machine where cores come just to the pallet.

For machines where the pallet is entirely surrounded by the mold box, pallets having a length of $15\frac{3}{4}$" should be used. For pallets which project beyond the mold box to form handles, use those having a length of $17\frac{1}{2}$".

These face down pallets may be furnished in other lengths and widths than those listed, on special order.

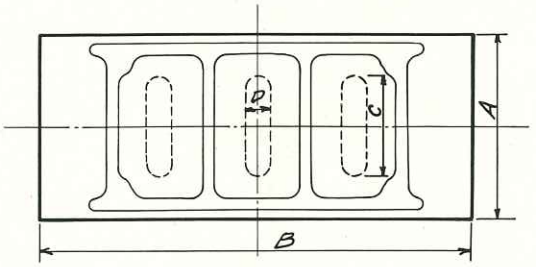
	DIMENSIONS Size Block	A	B	Code Word	Weight Lbs.	USED ON
Oval Core	8x16	8	$15\frac{3}{4}$	Jerk	7.0	U. S. Standard Machines
	10x16	10	$15\frac{3}{4}$	Kelly	9.5	
	12x16	12	$15\frac{3}{4}$	Last	11.4	
	8x16	8	$17\frac{1}{2}$	Quart	8.1	Anchor
	10x16	10	$17\frac{1}{2}$	Rage	10.8	Besser
	12x16	12	$17\frac{1}{2}$	Sonnet	13.0	Miles
Two Core	8x16	8	$15\frac{3}{4}$	Master	7.0	U. S. Standard Machines
	10x16	10	$15\frac{3}{4}$	Never	9.5	
	12x16	12	$15\frac{3}{4}$	Omar	11.4	
	8x16	8	$17\frac{1}{2}$	Mince	8.1	Anchor
	10x16	10	$17\frac{1}{2}$	Nanter	10.8	Besser
	12x16	12	$17\frac{1}{2}$	Oracle	13.0	Miles

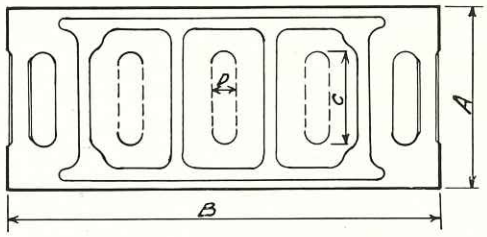
STANDARDIZED PALLETS FOR BESSER STRIPPER OR FACE DOWN BLOCK MACHINES

PATENT APPLIED FOR

THESE pallets are made especially for Besser Machines, either with or without handles for easy off-bearing. The table below lists the sizes and code words for both Face Down and Stripper types. Any machines now using wooden pallets may be easily adapted to the use of these pressed steel pallets by inserting a filler plate or making other slight adjustment. With Commercial Pressed Steel Pallets further replacement expense is eliminated.

Commercial Presteel Pallets Produce the Block with the Mortar Groove



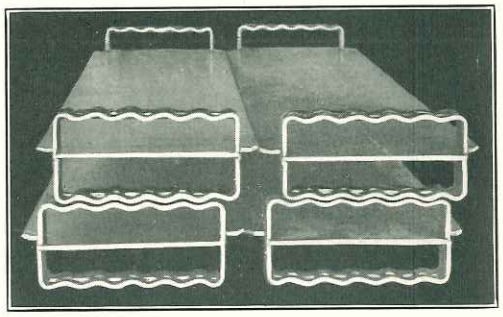


	Nominal Size of Block	A	B	C	D	Machine	Code Word	Weight Lbs.
Handle Type	8x16	7¾	18½	No Holes		Face Down	**Indus**	7.0
	8x16	8¼	18½	4½	1	Stripper	**Isobar**	6.2
	10x16	9¾	18½	No Holes		Face Down	**Janis**	9.1
	10x16	10¼	18½	4½	1	Stripper	**Jinnee**	8.3
	12x16	11¾	18½	No Holes		Face Down	**Krome**	11.3
	12x16	12¼	18½	4½	1	Stripper	**Kale**	10.5
Plain Type	8x16	7¾	17½	No Holes		Face Down	**Idio**	8.1
	8x16	8¼	17½	4½	1	Stripper	**Ignite**	7.8
	10x16	9¾	17½	No Holes		Face Down	**Icono**	10.8
	10x16	10¼	17½	4½	1	Stripper	**Icos**	10.5
	12x16	11¾	17½	No Holes		Face Down	**Idem**	13.0
	12x16	12¼	17½	4½	1	Stripper	**Ibex**	12.7

Self-Racking Double Reversible Brick Pallets

FOR BESSER BRICK MACHINES

PATENT APPLIED FOR

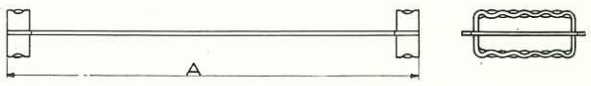


Self-Racking Double Reversible Brick Pallet

Self-Racking Single Reversible Block Pallet

Code Word—**Jejune**—Embossed and pierced as shown.
Joker—Plain top.

THE Self-Racking Double Reversible Pallet is designed for use on the Besser brick machines to replace wooden pallets. Note the interlocking surfaces of the legs which prevent slipping when stacked. At least 1/3 increase in capacity of cars, dryers, etc., is available since total over-all height of pallet when stacked is reduced from 4¾" to 3¼" or a gain of 1½" on each tier.



Double Reversible

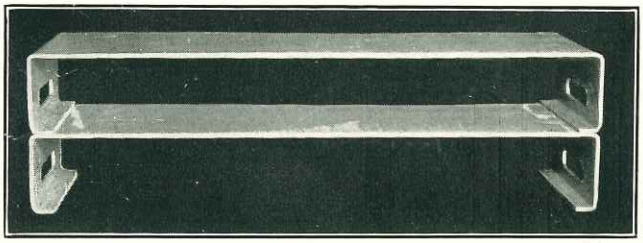
No. Brick	"A"	Width	Code Word	Wgt. Lbs.
4	23"	9"	**Jorum**	13.2
5	29"	9"	**Just**	17.1
8	39⅛"	9"	**Jargon**	22.1

Self-Racking Single Reversible Double 12 x 16 Block Pallet for Besser Double Automatic Machine. Can be furnished with plain top if desired.

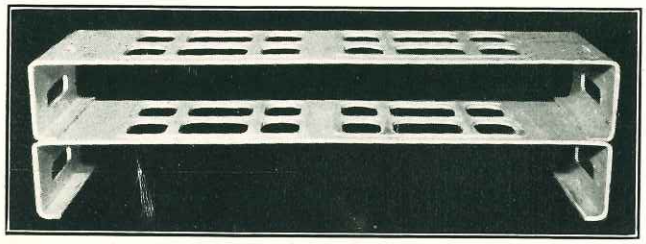
SELF-RACKING PALLETS

FOR BRICK, BLOCK OR TILE ELIMINATE RACK CARS

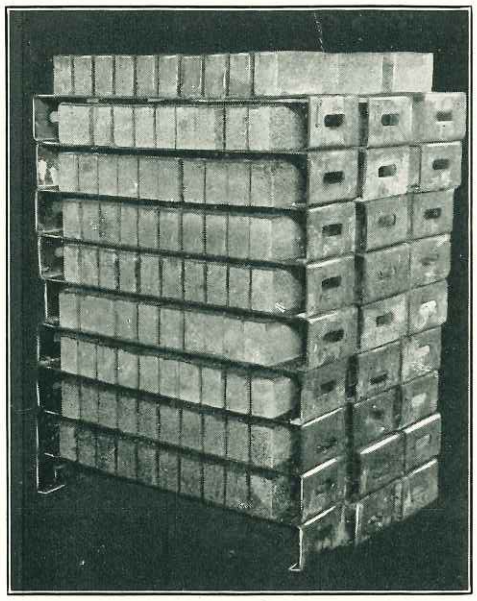
PATENT APPLIED FOR



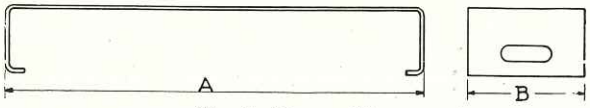
Self-Racking Single Reversible Brick Pallet



Self-Racking, Single Reversible, Double Six-Core Tile Pallet

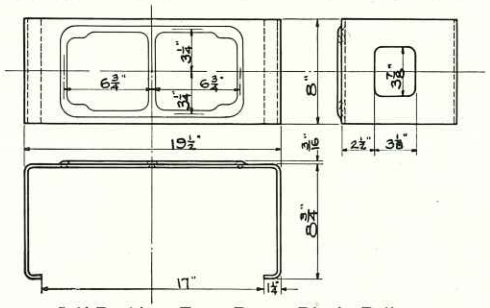


COMMERCIAL Self-Racking Single Reversible and Double Reversible Brick Pallets have met with marked favor among brick manufacturers because of the ease with which they may be handled and because of the many economies effected in storage and curing rooms. The self-racking single reversible brick pallet is designed for use on Anchor, Heskett, Shope, Ideal and other machines. It is formed of one solid piece of heavy plate with convenient hand hole grips in each end. This type pallet may also be punched and embossed for tile or block. The photo above shows how this is done for two six-core 8 x 12 tile on the new Heskett machine.

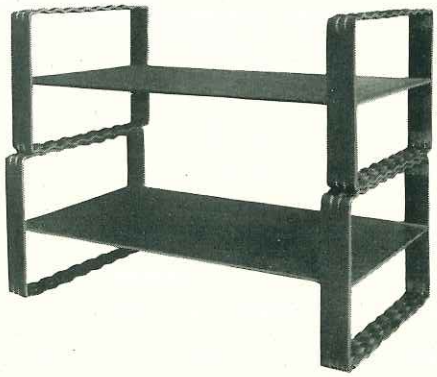


Single Reversible

A	B	Code Word	Weight Lbs.
32"	8"	Tensile	17.8
32"	8¼"	Taut	18.3
32"	8⅜"	Tumble	18.6



Self-Racking Face Down Block Pallet
For 8x16 Two-Core Face Down Blocks
Code Word, **Swimming**
Weight, 15.2 Lbs.



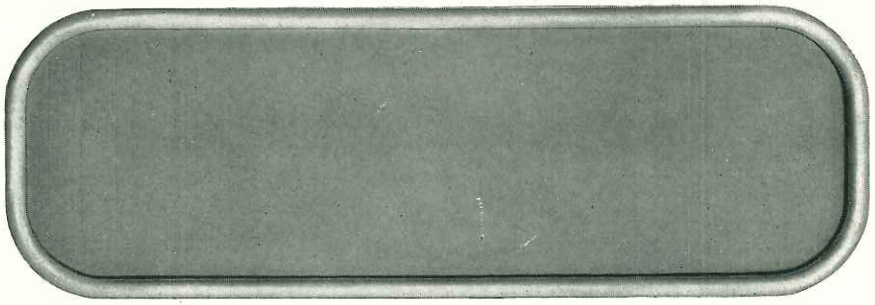
Commercial Self-Racking Double Reversible Pallet
Used on Eberling Machines
Size 12¼x18½x8¼
Weight 18.4 Lbs.
Code Word—Jerboa

For Tile
Size 12¼x18½x5¼
Weight 17.6 Lbs.
Code Word—Jaguar

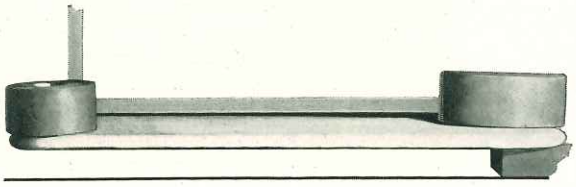
USED with some makes of face down block machines, the Commercial Single Reversible Self-Racking Block Pallet entirely eliminates the use of racks. Sufficient clearance is provided for the blocks when piled one on top of the other. Convenient hand holes are provided in the ends for off-bearing. The embossed ribs, which may be of the 2 core or 3 core style, put the mortar groove in the Block. Produced for any size block.

Dimensions on these pallets may be varied to suit any conditions.

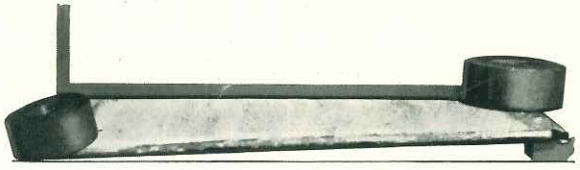
COMMERCIAL
ROLLED CORNER BRICK PALLET
PATENTED



THE Commercial Rolled Corner Brick Pallet was designed to eliminate the corner to corner twist inherent in the old style of open corner brick pallets.



Commercial Rolled Corner Pallet



Open Corner Pallet

By actual test, the rolled corner of the Commercial Pallet is its strongest point.

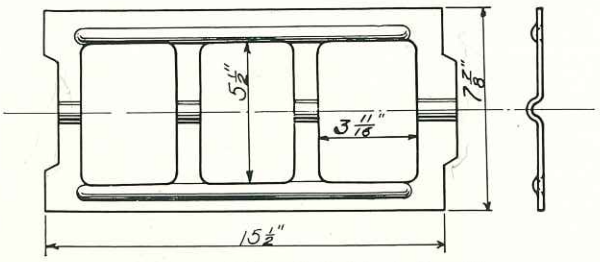
It Cannot Twist or Bend

No broken or distorted bricks if handled on the Commercial Rolled Corner Pallet. The continuous tubular edge is an integral part of this pallet. No welded joints or corners to make handling difficult. The smooth, round edges form a perfect grip.

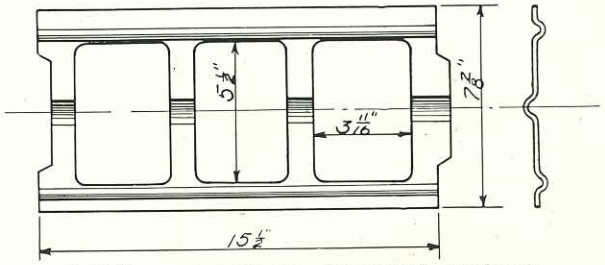
For use on rack cars or racks in conjunction with standard makes of brick machines.

			16 Gauge—Weight and Code Word		14 Gauge—Weight and Code Word	
Nominal Size Inches	Width Inches	Length Inches	Weight Lbs.	Black	Weight Lbs.	Black
10x30	10	29⅝	8.0	Impose	9.9	Infer

"MORTARLESS" PALLETS



8x16 Groove Only. Code Word, **Occult**
Weight, 3.4 Lbs.



8x16 Tongue and Groove. Code Word, **Occident**
Weight, 3.4 Lbs.

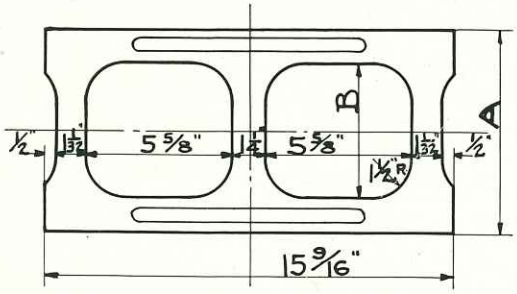
One style of these pallets is made with ribs and grooves so that the blocks may be fitted together securely without the use of mortar. The other style produces blocks that are laid up with the customary use of mortar.

SPECIAL PALLETS
FOR ANY TYPE OF BLOCK OR MACHINE
MADE ON SPECIAL ORDER ONLY

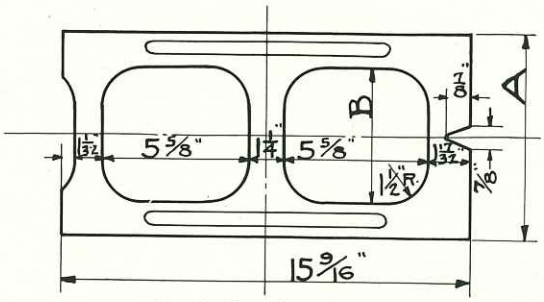
ANY Commercial single or double corner pallet can be furnished with notched end to produce a block that will accommodate steel sash. Order by code word of the standard pallet followed by the word SASH.

For unusual blocks and special machines many pallets to meet special requirements are produced. Many combinations of the various features shown on the following pages and many of the features of the standardized pallets shown on the foregoing pages may be used to produce special pallets.

Information regarding special designs will be furnished on request.

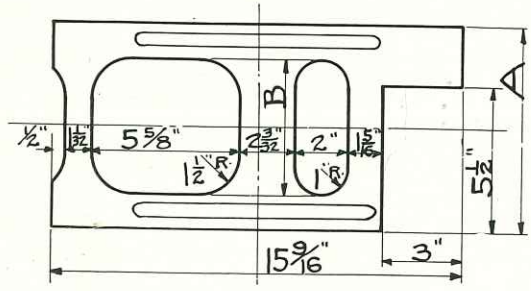


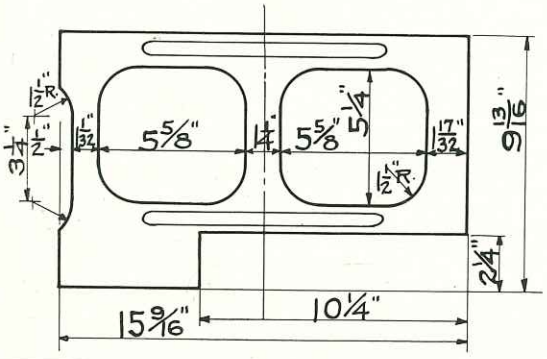
Special Pallet



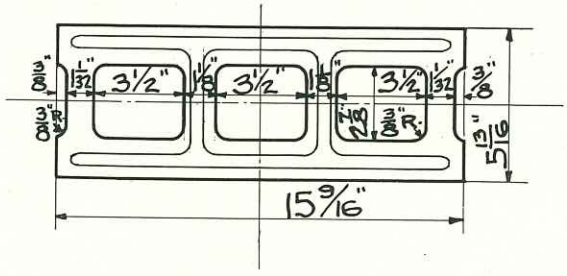
Standardized Sash Pallet

Size of Block	Dimensions		CODE WORDS							
	A	B	Regular	Wgt. Lbs.	Single Corner	Wgt. Lbs.	Double Corner	Wgt. Lbs.	Notched for Steel Sash	Wgt. Lbs.
8x16	$7\frac{13}{16}$	$5\frac{1}{4}$	Accord	4.0	Accent	4.1	Acrobat	4.1	Accent—Sash	4.0
10x16	$9\frac{13}{16}$	$6\frac{1}{4}$	Boyer	5.5	Bound	5.6	Billet	5.7	Bound—Sash	5.5





Size of Block	A	B	Code Word	Weight Lbs.
8x16	$7\frac{13}{16}$	$5\frac{1}{4}$	Wonder	4.1
10x16	$9\frac{13}{16}$	$6\frac{1}{4}$	Exclaim	5.0



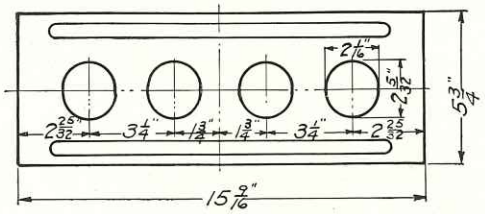
6x16 Special Three-Core Regular
Code Word, **Saddle**
Weight, 3.4 Lbs.

Efficient Shipping Methods

Special attention is given to shipping Commercial pallets. Less than carload shipments are bundled with two flat steel bands in bundles of ten or twenty pallets each. For shipments of 10,000 lbs. and over, when through shipment is possible, the pallets are blocked in one end of the car and not bundled. Carload shipments are not bundled but are criss-crossed in the car in piles of ten and securely blocked.

SPECIAL PALLETS
FOR ANY TYPE OF BLOCK OR MACHINE
MADE ON SPECIAL ORDER ONLY

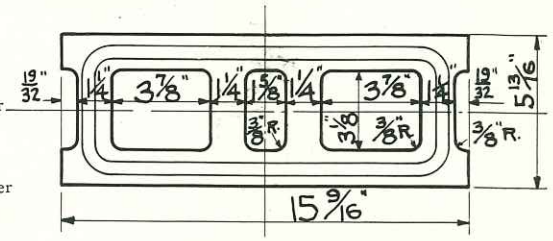
Code Word
Senile
Wt. 3.9 Lbs.



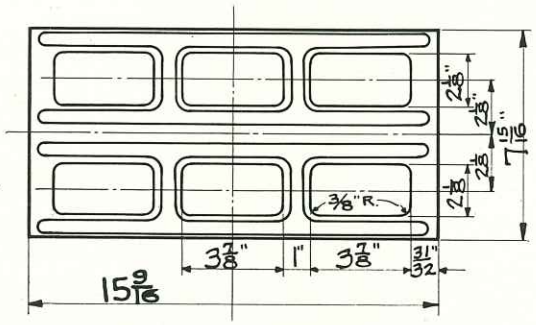
Regular
Code Word
Calico
Wt. 3.4 Lbs.

Single Corner
Code Word
Castile
Wt. 3.5 Lbs.

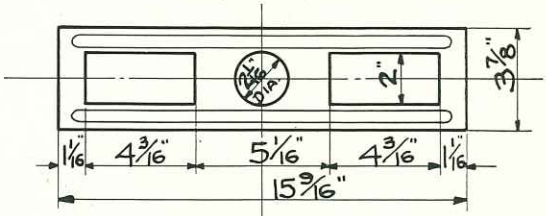
Double Corner
Code Word
Canopy
Wt. 3.6 Lbs.



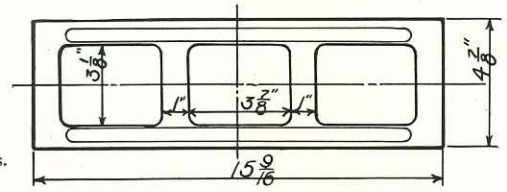
Code Word
Zendo
Wt. 4.4 Lbs.



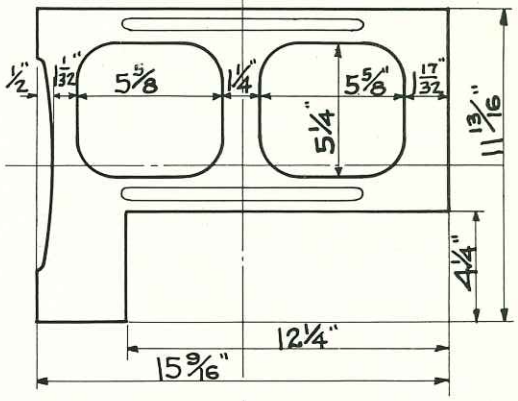
Code Word
Destiny
Wt. 2.3 Lbs.



5x16
Three-
Core
Block
Pallet
Code Word
Talcum
Wt. 2.3 Lbs.



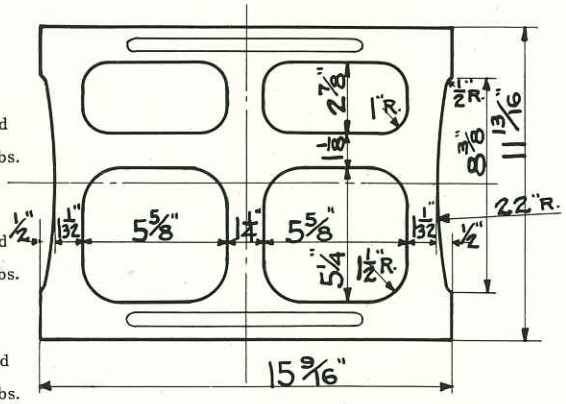
Code Word
Aster
Wt. 6.0 Lbs.



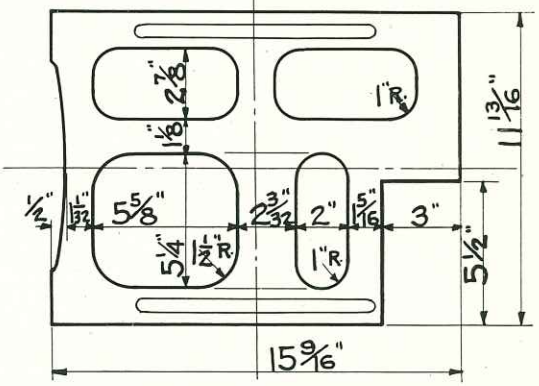
Regular
Code Word
Captor
Wt. 5.9 Lbs.

Single
Corner
Code Word
Contend
Wt. 6.0 Lbs.

Double
Corner
Code Word
Currier
Wt. 6.1 Lbs.



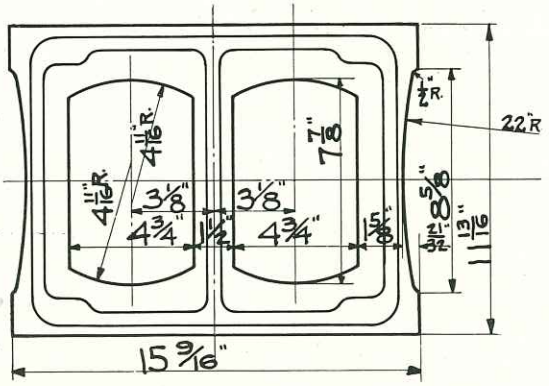
Code Word
Yonder
Wt. 6.1 Lbs.



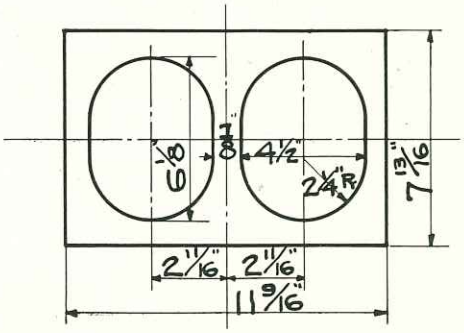
Regular
Code Word
Honor
Wt. 6.7 Lbs.

Single
Corner
Code Word
Hold
Wt. 6.8 Lbs.

Double
Corner
Code Word
Hail
Wt. 6.9 Lbs.



Code Word
Kelter
Wt. 3.1 Lbs.



COMMERCIAL
CURING RACKS AND TRESTLE ENDS

PATENTS APPLIED FOR

COMMERCIAL STEEL TRESTLE ENDS are made to fit 2″x6″ finished lumber but can be used with 2″x4″ finished lumber by inserting a wedge. The legs are securely welded to the saddle. The height of the trestle can be raised or lowered by the use of either wooden or steel extension pieces fastened inside the channel legs. The trestle ends are easily attached or taken off and require a very small amount of storage room.

No.	Height	Wt. Per Set of 4 Ends	Gauge	Code Word
1	30″	50 lbs.	12 Gauge	OCTOPOD
2	36″	59 lbs.	12 Gauge	OCTOPUS
3	42″	68 lbs.	12 Gauge	OCTOGAN
4	48″	77 lbs.	12 Gauge	OCTRO
5	54″	86 lbs.	12 Gauge	OCTORON
6	60″	95 lbs.	12 Gauge	OCTOGONAL

Commercial Trestle Ends

Note the simplicity of trestle construction when the Commercial Steel Trestle Ends are used. Any length of trestle can be secured by reinforcing the lumber with additional trestle ends.

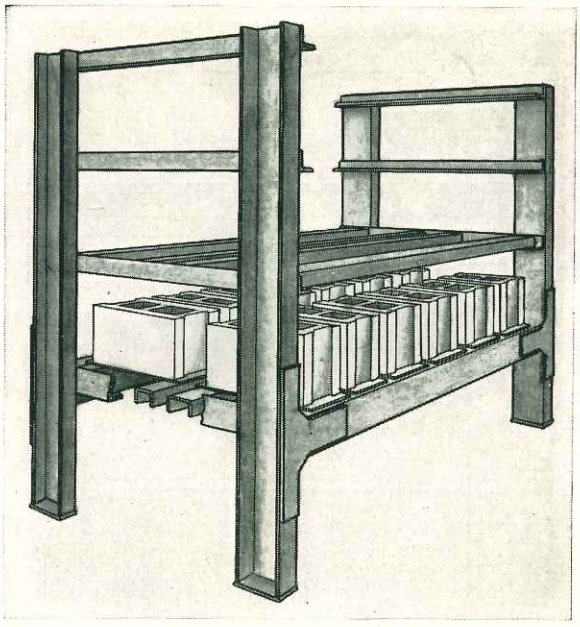
THE COMMERCIAL DRYING RACKS, for Concrete blocks, 57″x36″x45⅝″ have a pressed steel channel frame with all joints securely welded. The rack illustrated is designed for use with a lift truck. Blocks are placed transversely on this rack four tiers high and two deep. The lowest tier rests on the frame and the two removable channels in the center. The three upper tiers rest on skeleton trays, two to each tier.

The method of loading is very simple—the back half of the rack is loaded first. By leaving in the rear lower channel, half of the lowest shelf may be loaded. Then a skeleton tray is dropped in place and loaded. By repeating this operation for the third and fourth shelves, the back half of the rack is loaded quickly and easily. The cross bar of the rack frame is low enough for the operator to step over it easily in loading the rear of the rack.

The front channel bar of the lowest shelf is next put into position and the same method of loading repeated for the front half of the rack.

Lift truck clearance may be varied to accommodate the particular lift truck in use but ordinarily a spring bed is installed on the truck which requires 11½″ clearance.

Racks are also furnished for cars.



Commercial Drying Racks

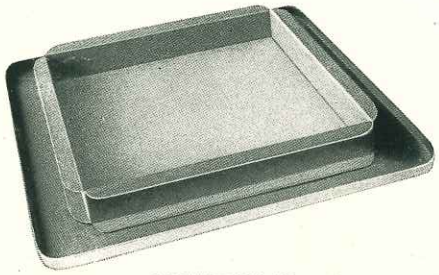
COMMERCIAL
STEEL CONTRACTORS' EQUIPMENT

COMMERCIAL STEEL MIXING BOXES WITH HOD SUPPORT

COMMERCIAL STEEL MIXING BOXES are built of heavy Blue Annealed Steel, with securely welded joints. There are no sharp edges. The smooth surface inside the box makes it easy to mix and clean. The vertical baffle plate at each end prevents the mixture from slopping over. An integral wearing strip over side bottom joint, thoroughly welded through three thicknesses of metal, makes the Commercial box long lived. The Commercial Steel Hod Support is easily attached to either side of the mixing box—no tools are necessary.

Box No.	Width	Length	Depth	Capacity	Gauge	Weight	Code Word
1	2'–4"	5'–0"	10"	8½ Cu. ft.	14 Gauge	88 lbs.	PALLOR
2	3'–6"	7'–6"	10"	20 Cu. ft.	14 Gauge	157 lbs.	PALISH
3	4'–0"	9'–0"	10"	28 Cu. ft.	14 Gauge	200 lbs.	PARISH
4	4'–0"	11'–6"	10"	33 Cu. ft.	12 Gauge	325 lbs.	PALLID
5*	3'–0"	7'–0"	24"	38½ Cu. ft.	14 Gauge	240 lbs.	PARSNIP
				Hod Support 5'–0" High		15 lbs.	PASTEL

*Is a Special Box Used for White Coating.



COMMERCIAL MORTAR BOARDS

COMMERCIAL STEEL MORTAR BOARDS, of Blue Annealed Steel, are made with flanged edges and rounded corners. They are light, smooth, easy to clean and easy to handle. The weight of the batch depresses the surface enough to keep the water from running over. The illustration shows how particularly well adapted to masons' use the under side of the mortar board is. A 3" pressed steel support, electrically welded to the under side of the board, makes a container for mortar and leaves a trough around the edge for holding the mason's tools.

No.	Size	Weight	Gauge	Code Word
1	30" x 30"	25 lbs.	16 Gauge	PICADOR
2	36" x 36"	34 lbs.	16 Gauge	PIBROCH
3	40" x 40"	47 lbs.	16 Gauge	PICKET

COMMERCIAL COAL CHUTE

COMMERCIAL COAL CHUTES, made of Blue Annealed Steel, are heavy enough to stand hard wear and yet light enough to handle easily. A flanged reinforcing strip under the receiving end of the chute serves both as a protection to the chute and fastens it to the truck. The discharge end of the chute is also reinforced with a heavy steel band. The sides are pressed channel steel, giving a smooth top edge. These chutes can also be used for sand, gravel, stone, ashes, etc.

No.	Length	Width	Depth	Weight	Gauge	Code Word
1	8'–0"	18"	3½"	56 lbs.	16 Gauge	GRAND
2	10'–0"	18"	3½"	69 lbs.	16 Gauge	GABE
3	12'–0"	18"	3½"	82 lbs.	16 Gauge	GABEL

COMMERCIAL MATERIAL BINS

PORTABLE AND PERMANENT

Above — Bin installed for Lansing Cast Stone Co., Lansing, Mich.

Right Hand—Bin installed for Milliken Brick Co., Wilkinsburg, Pa.

Commercial Portable Material Bins

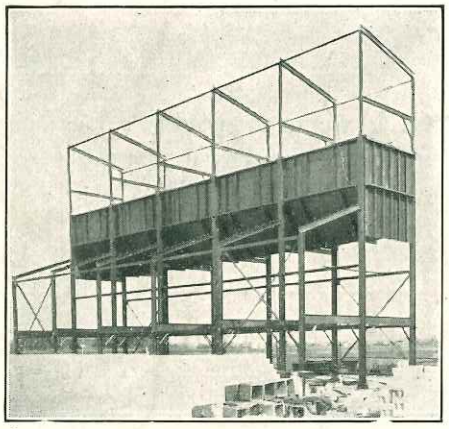
Commercial Portable Material Bins

Commercial Portable Material Bins, are built in all sizes from 2 tons up to 1,200 tons capacity. The Commercial Standard Bin has a capacity of 35 tons which can be increased to 45 tons by using extension plates at the top.

The bin frame is of structural steel, strongly reinforced, and so designed that a truck can be driven under the hopper. The bin hoppers are made in both the rectangular and cylindrical models.

All Commercial Bins are self-cleaning. The cylindrical bins are specially suited to storing pulverized materials, such as sand, for the hoppers are true cones—the easiest containers to empty. The legs for the cylindrical model are riveted direct to the hopper shell. Gates 15″, 18″, 20″ and 24″ square can be furnished.

Commercial Batchers, either measuring or weighing, with wheel control adjustment can be supplied for any type of bin.



Commercial Material Bin Installed as Part of the Factory Structure for The National Cement Block & Supply Co., Toledo, Ohio.

Commercial Material Bins

Permanently Installed

Commercial Material Bins—permanently installed, are specially designed for storing large quantities of material, such as sand, gravel, coal, coke, cinders or ore. The bins are built into the outer wall of the factory as part of the steel structure. These units can be so designed as to open into the factory to furnish production materials or to open on the outside for supplying the factory's product to the local trade. An up-to-the-minute engineering department is prepared to work up designs to meet any special condition encountered.